

**Instruction for use**

**1. Introduction**  
 Congratulations! You have just bought a most sophisticated FM wireless stereo sound system. This system uses the latest FM wireless technology, which gives you complete freedom of movement while enjoying your own favorite music. No more inconvenience from cables or headphone wires! To ensure you get the best performance of your FM stereo sound system, please read this document carefully.

- 2. Features**
- **Wireless transmission** - the FM transmitter transmits the stereo audio signal from your audio or video source to your FM speaker (receiver) without wires.
  - **Wide transmission range** - the FM speaker (receiver) receives signals from up to 100 meter away from the FM transmitter.
  - **High-frequency radio system** - the FM speaker set uses a high radio frequency as the signal carrier, ensuring a very clear, sharp reception.
  - **Mute function** - reduces the noise level by 90% when the sound signal is too low or not available. This feature makes it possible to have the noise reduced when e.g. tuning the receiver to the transmitter.
  - **Automatic power on/off** - the FM transmitter automatically switched on and starts transmitting when signals are sensed at the input (indicated by green LED). When there are no signals at the input, the FM transmitter automatically switches off.
  - **No space limitation** - the FM speaker (receiver) is able to receive signals from the transmitters, even through barriers such as doors, walls and glasses.
  - **Multiple headphones / speakers with one transmitter** - additional number of headphones and/or wireless speakers can be used with a single transmitter.
  - **Trackball volume control** - volume can be adjusted at the speaker.
  - **Built-in 8 Watt amplifier** - produces high-power sound
  - **Battery or mains operated** - speaker can be powered by batteries or mains.
  - **Bass reflex system** - for powerful bass reproduction.

- 3. Components included**  
 In this FM speaker set the following components are included:
- 2 x FM receiver (speaker) SBC BC200
  - 2 x AC/DC adaptor 9V/500mA
  - 1 x FM transmitter SBC HC552
  - 1 x AC/DC adaptor 12V/200mA
  - HiFi audio cable
  - 3.5mm to 6.3mm stereo adaptor

- 4. Explanation of Controls**
- Receiver**
1. Volume control
  2. Tuning control
  3. L - R switch
  4. Power On/Off
  5. Power indication LED
  6. Bass reflex port
  7. AC/DC adaptor input
  8. Stereo / mono ON/OFF
- Transmitter**
9. Tuning control knob
  10. Power On/Off indication
  11. DC input connector to power the FM transmitter
  12. Input 3.5mm stereo connector for input of audio signal

- 5. Installation**
- SBC BC200 powered by AC/DC adapter. The current mentioned on the rating label for the speaker is 9V/1000mA, but the SBC BC200 can be used with the supplied 9V/500 mA AC/DC adapter. Insert the AC/DC adaptor plug into the DC input jack (7). Then check that the voltage mentioned on the rating label of the AC/DC adapter is in line with the voltage of the wall outlet. If it is correct, then plug the AC/DC adaptor into a standard mains power outlet. Or insert the batteries (6 x R6, AA) into the battery compartment as shown in Figure 1. Ensure that the polarity is correct.
  - Insert the DC connector of the AC/DC adaptor into the 12V DC/200mA input connector located in the rear of the FM transmitter.
  - Connect the audio source (CD player, TV, HiFi) to the FM transmitter with the HiFi audio cables as shown in fig 1.

- 6. Operation**
- Switch on the FM speaker
  - Apply an audio signal to the transmitter (using an audio source such as CD player, TV, or HiFi). The FM transmitter will switch on automatically.
  - Tune the tuning control on the speaker until signal (audio sound) is at its clearest.
  - Adjust the volume of the audio source to the highest acceptable undistorted level.
  - When you no longer require the speakers, turn off the power switch to save power.
  - When the battery power runs low, the battery indication (5) becomes less bright and the sound quality degrades; when this happens replace the batteries.
  - Switch the "mono-stereo" switch to "mono" to listen to one speaker in mono only.
  - Switch the "mono-stereo" switch to "stereo" to listen to two or more speakers in stereo.
  - Switch the "L-R" switch, (located inside the battery compartment) to LEFT or RIGHT to determine the speaker's signal reproduction side (L=Left, R=Right). This only works in stereo mode!

**Note :** There is more audible noise from the speaker in stereo mode compared to mono operation; this is not due to speaker, but due to the FM stereo principle.

- 7. Specifications**
- |                              |   |
|------------------------------|---|
| System                       | : Radio Frequency (RF)                            |
| Carrier frequency            | : Tunable 433.2 to 434.7 MHz                      |
| Modulation                   | : Frequency Modulation (FM)                       |
| Maximum output power         | : 40 Watt PMPO                                    |
| Effective transmission range | : 60 - 100 meter, omni directional (360°)         |
| Power supply                 | : 6 x R6 (AA) batteries or AC/DC adaptor 9V/500mA |
| Frequency range              | : 80 ~ 20,000 Hz                                  |
| Signal / Noise ratio         | : > 50 dB   |
| Distortion                   | : < 5% THD  |
| Channel separation           | : > 30 dB   |

- 8. Precautions**
- This speaker system works only on a 9V DC supply. If the system has not being used or will not be used for some time, please remove the batteries to prevent leakage and corrosion.
  - Do not leave the speakers near heat sources. Do not expose to direct sunlight, excessive dust, moisture, rain or any kind of mechanical shock.
  - Do not use alcohol, thinner or petroleum-based substances to clean the speakers.
  - If fluid spills into the speakers, remove the batteries immediately and consult an authorized dealer.
  - Keep the mini speakers away from TV or credit cards using magnetic coding to prevent any damage caused by the speakers' magnets.
  - Make sure to turn off your speaker to save energy when you have stopped listening. You will hear a noise sound a few minutes after the transmission stopped to remind you to turn off the speaker.

**Explanation of Controls** SBC BC280

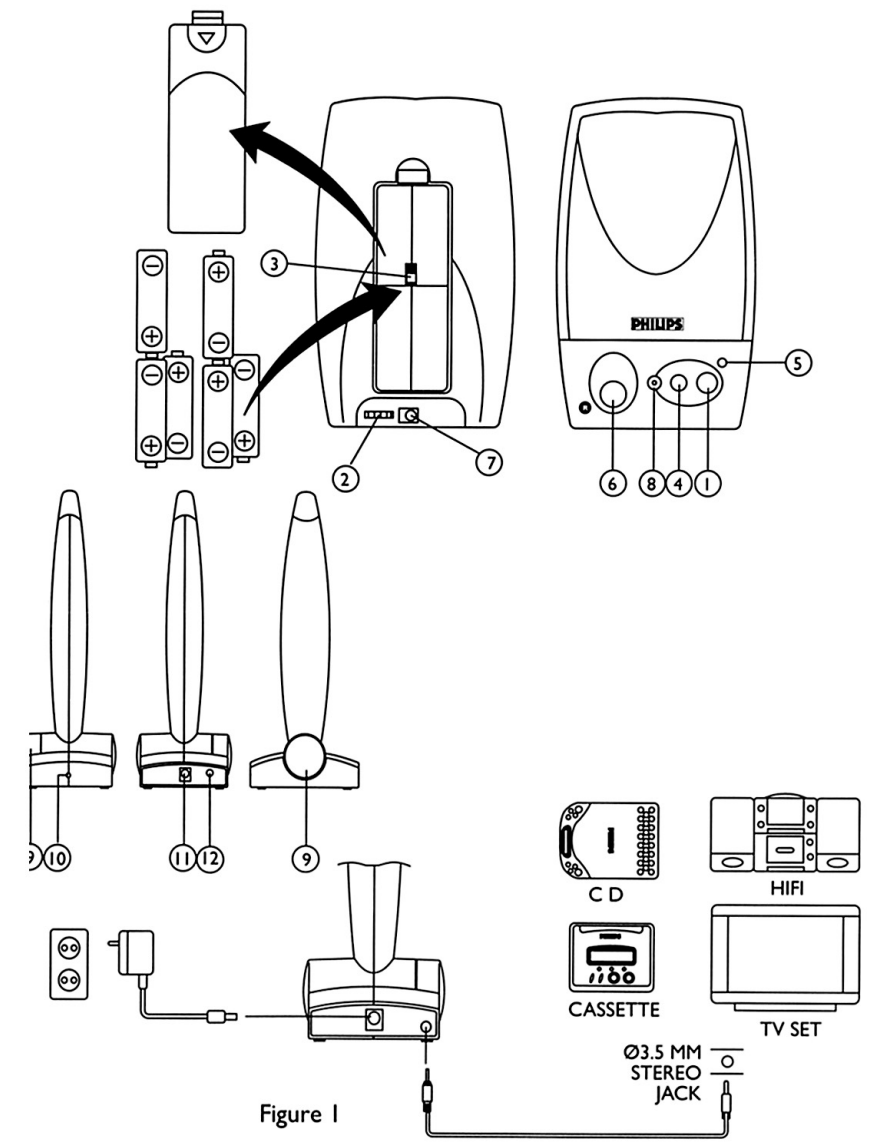
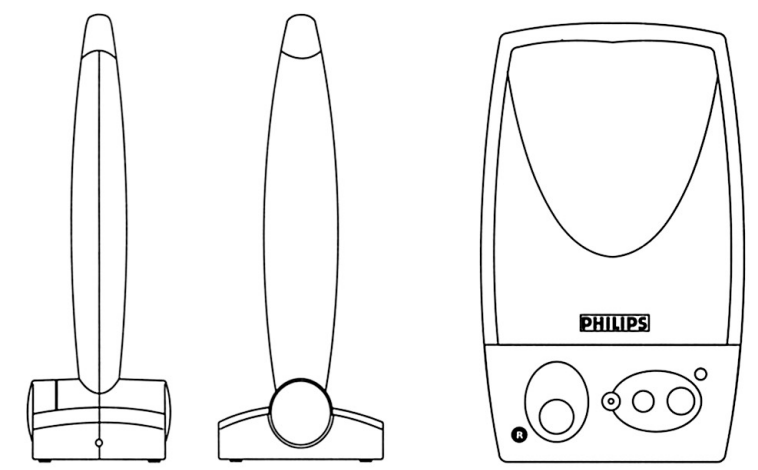


Figure 1

# PHILIPS

Instructions for use  
 Bedienungsanleitung



**PHILIPS**  
 SBC BC280